Contents

List of tables 7

Acknowledgements 9

Symbols and abbreviations 13

Data sources and conventions 19

Introduction 25

Contacts with known languages 31

1.1. Baltic–Slavic contacts

1.1.1. Early Slavic → Baltic loans 33

1.1.2. Early Baltic → Slavic loans? 66

1.2. Early Germanic → Baltic loans 79

1.3. Baltic → Finnic borrowings

1.3.1. Preliminaries 91

1.3.2. Baltic loanwords with an IE etymology 100

1.3.3. Analysis of sound substitutions 116

1.3.4. Loans from Proto-Finnic to Proto-Baltic? 150

1.3.5. Common loans from unknown sources? 160

1.3.6. Analysis of contact relationship 193

1.4. Loanwords into other Uralic languages

1.4.1. Sámi 201

1.4.2. Mordvin 217

1.4.3. Mari 233

1.4.4. Permic 240

1.4.5. Conclusion 243

Contacts with unknown languages 247

2.1. Introduction

2.1.1. Research history 249

2.1.2. Methodological considerations 258

2.1.3. Excursus: illegal root structures 270

2.2. Consonantism

2.2.1. 'Nasalization', *-*VNT*- ∞ *-*VT*- 279

2.2.2. Voicing alternations 298

2.2.3. Sibilant clusters 343

2.2.4. Other irregularities 355

2.3. Vocalism

2.3.1. Initial vowels 367

2.3.2. Alternations between front and back vowels 384

2.3.3. Alternations between low and high vowels 402

2.3.4. Alternations between monophthongs and diphthongs 413

2.3.5. Length alternations 419

2.3.6. IE **a* 436

2.4. Analysis

2.4.1. Semantics 441

2.4.2. Stratification 467

Conclusion 477

Bibliography

Abbreviated titles 481

List by author 488

Word index

Baltic languages 563

Slavic languages 572

Germanic languages 580

Other Indo-European languages 584

Uralic languages 589

Other languages 599

Samenvatting 601

Curriculum vitae 607